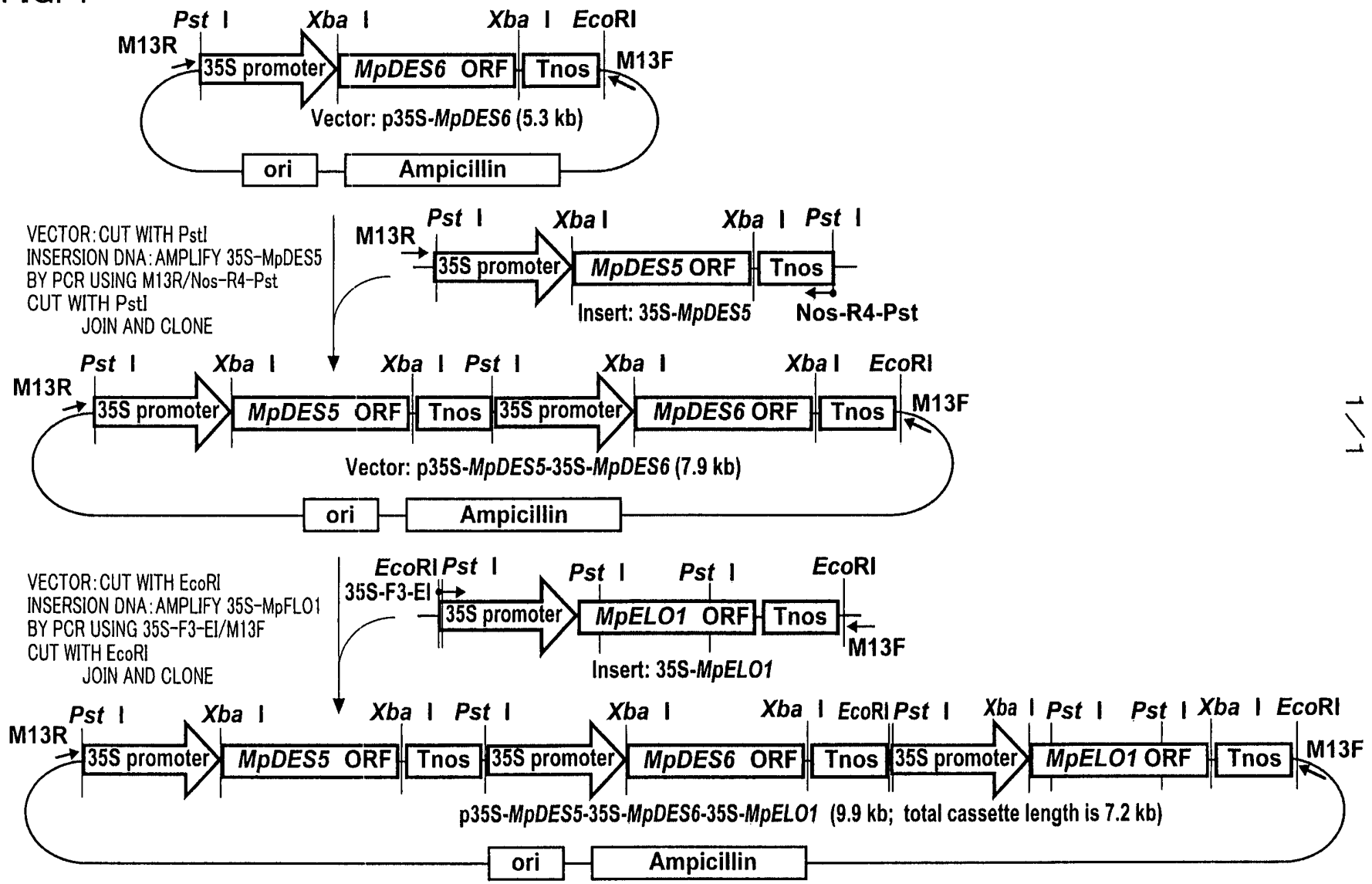
FIG. 1


Pst I
Xba I
Xba I
EcoRI
M13R
35S promoter
MpDES6 ORF
Tnos
M13F
Vector: p35S-MpDES6 (5.3 kb)
ori
Ampicillin
VECTOR: CUT WITH PstI
INSERSION DNA: AMPLIFY 35S-MpDES5
BY PCR USING M13R/Nos-R4-Pst
CUT WITH PstI
JOIN AND CLONE
MpDES5 ORF
Insert: 35S-MpDES5
Nos-R4-Pst
Vector: p35S-MpDES5-35S-MpDES6 (7.9 kb)
VECTOR: CUT WITH EcoRI
INSERSION DNA: AMPLIFY 35S-MpFLO1
BY PCR USING 35S-F3-EI/M13F
CUT WITH EcoRI
JOIN AND CLONE
35S-F3-EI
MpELO1 ORF
Insert: 35S-MpELO1
p35S-MpDES5-35S-MpDES6-35S-MpELO1 (9.9 kb; total cassette length is 7.2 kb)